United States Department of Agriculture
National Agricultural Statistics Service
Michigan Field Office
Cooperating with Michigan Department of Agriculture

Michigan Crop Weather

MI-CW2509 June 22, 2009

Wet and Warmer

Five days were suitable for fieldwork during the week ending June 21, according to the USDA, NASS, Michigan Field Office. Precipitation varied from 0.15 inches in the eastern Upper Peninsula to 3.23 inches in the southwest Lower Peninsula. Average temperatures ranged from 1 degree below normal in the east central Lower Peninsula to 4 degrees above normal in the western and eastern Upper Peninsula, and northwest Lower Peninsula. Warmer temperatures coupled with precipitation were conducive to crop development; growth was experienced and crop conditions were improved. Growers continued to be challenged by varying weather conditions. Excessive rainfall in some areas of the State limited field activities and created additional ponding in fields. In areas where rains were needed, crop response was positive. One grower reported, "Heavy rain during the week put a halt to field operations and waterlogged all the crops. Some of them will be seriously hurt." Re-planting of some crops continued where necessary.

Field Crops

Heavy rains affected parts of the state over the weekend, mostly in the southern area of the State, which have resulted in ponding in several fields. **Rye** and **wheat** continued to progress and was starting to turn in the Southeast. In the Southwest, wheat was in the grain fill stage. Armyworms have been found but were not at devastating levels. On most varieties, powdery mildew and Septoria leaf blotch continue to be present but at low levels. **Oats** and **barley** development progressed. Many fields of both were in boot to heading stages. **Soybean** planting was nearly complete with most fields emerged. The **corn** crop ranged from spike to stage V7. There were continued reports of the need for more sunshine and warmer temperatures to advance the growth of corn and soybeans. **Alfalfa** harvest has been difficult due to an abundance of moisture. Early cut alfalfa was baled as conditions permitted; however, over maturation was occurring in other fields. **Sugarbeet** development progressed. Planting of **dry beans** has been temporarily suspended due to heavy rains. Some fields of dry beans will be replanted due to the abundance of moisture.

Fruit

Apples were .75 to 1 inch in diameter in the southwest and 13 to 17 mm in the northwest. In the southwest, **blueberries** were pea-size. **Peaches** grew to 1.5 inches in diameter in the southwest, where growers were hand-thinning the fruit. **Pears** were 23 to 26 mm in the southeast and 18 to 20 mm in the southeast. **Plums** were mostly 18 to 21 mm in diameter. **Raspberry** bloom was completed with most berries approximately pea-sized. **Strawberry** harvest began in the northwest and was underway in the southwest, where fruit size was a concern. Fruit was slow to ripen due to the cool temperatures experienced during bloom. **Sweet cherries** ranged from 12 to 14 mm in the northwest; **tart cherries** were 12 mm in the southwest. Growers were encouraged to protect against cherry leaf spot. **Grape** shoots were 10 to 16 inches long in the northwest.

Vegetables

Asparagus harvest continued in the west central region. Warmer weather this week increased common asparagus beetle activity. The conditions of the **beet**, **turnip**, **parsnip** and **carrot** crops were reported as variable with some areas being several weeks behind in maturity. The cabbage crop was reported as doing well overall this week; some cabbage maggot injury was observed in fields in east central Michigan as a result of cool, moist conditions. On muck soils, about 70 percent of the **celery** crop was in the ground. Stands looked good, but progress was still behind schedule. Warmer temperatures helped to improve **sweet corn** growth and color. Producers have been monitoring for European corn borer; pheromone traps in several counties in southern Lower Michigan have captured significant numbers of adult moths during the past week. **Onions** in the Grand Rapids area were in the third to fifth leaf stage. Stands were reported in fair condition overall. Harvest of **peas, radishes** and **lettuce** continued. **Pepper** transplanting was mostly complete. **Potato** fields looked good overall, but varied in maturity and were somewhat behind normal in development. In the southwest, Colorado potato beetle activity was observed in some potato fields. **Muskmelons** and **watermelons** were beginning to flower and set fruit. Tunneled **summer squash** and **zucchini** were close to harvest. Tunneled **cucumbers** had two-to-three inch fruit. **Tomato** stakes were placed and first tying was completed; tomatoes grown under low tunnels were setting and sizing fruit.

Soil moisture for week ending 06/21/09

Stratum	Very short	Short	Adequate	Surplus
	Percent	*Percent*	*Percent*	*Percent*
Topsoil	1	2	63	34
Subsoil	1	3	74	22

Crop condition for week ending 06/21/09

Crop	Very poor	Poor	Fair	Good	Excellent
	Percent	*Percent*	*Percent*	*Percent*	*Percent*
All Hay	2	6	23	49	20
Barley	0	2	18	75	5
Corn	1	5	26	53	15
Oats	1	2	30	54	13
Pasture	1	6	21	50	22
Soybeans	2	6	30	53	9
Winter Wheat	1	4	24	56	15

Crop progress for week ending 06/21/09

Crop	This week	Last week	Last year	5-year average
	Inches	*Inches*	*Inches*	*Inches*
Corn, height	10	6	13	15
	Percent	*Percent*	*Percent*	*Percent*
All hay, first cutting	59	48	56	68
Asparagus, harvested	87	73	94	97
Dry beans, planted	76	40	48	74
Dry beans, emerged	31	12	16	36
Oats, headed	33	8	44	51
Soybeans, emerged	89	76	98	93
Strawberries, harvested	31	12	49	56
Winter wheat, headed	95	86	100	99
Winter wheat, turning yellow	6	2	20	35

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Michigan Weather Summary for Week Ending 06/21/09 [1]

Station	Temperature			Cumulative growing degree days [2]			Precipitation					
	Maximum	Minimum	Departure from normal	2009	2008	Normal	This week	Last two weeks	Last four weeks	Since April 1	Normal	
											Since April 1	For month
Ironwood	82	45		517	465		0.72	1.35	2.99	7.04		
Marquette	79	39		414	414		0.72	1.35	2.99	7.05		
Stephenson	88	46		574	612		0.00	0.74	4.49	8.65		
Western UP	88	39	4	486	468	549	0.80	1.42	3.25	7.35	8.11	3.61
Cornell	79	44		506	532		0.11	0.62	2.86	6.65		
Sault St Marie	80	45		405	431		0.42	1.23	3.06	6.32		
Eastern UP	81	38	4	414	442	418	0.15	0.88	3.25	7.50	7.49	3.26
Beulah	83	43		616	687		0.57	1.10	4.48	8.49		
Lake City	85	41		599	683		0.34	1.18	4.92	9.97		
Old Mission	82	45		543	632		0.00	0.79	2.54	4.70		
Pellston	83	38		520	620		0.06	0.81	2.05	4.32		
Northwest	85	38	4	547	626	646	0.18	0.83	3.13	6.30	7.31	3.03
Alpena	78	41		538	641		0.30	1.67	3.67	7.92		
Houghton Lake	85	43		591	704		0.14	1.19	3.38	9.13		
Rogers City	82	45		556	585		0.27	1.42	3.39	8.05		
Northeast	85	41	2	568	664	614	0.31	1.51	3.57	8.38	7.28	2.90
Fremont	85	49		700	783		0.84	1.90	2.69	8.63		
Hart	83	50		640	711		1.11	2.64	4.95	11.62		
Muskegon	83	57		728	738		1.69	1.83	3.66	9.14		
West Central	85	44	3	684	738	728	0.97	1.94	4.19	10.02	7.92	2.94
Alma	84	51		692	816		1.45	3.10	4.65	12.89		
Big Rapids	84	48		718	811		1.47	2.87	4.11	9.61		
Central	86	48	2	702	809	779	1.34	2.72	3.93	10.31	8.09	3.36
Bad Axe	79	48		604	766		1.39	2.56	3.29	9.70		
Pigeon	81	47		598	758		2.05	3.11	4.15	10.00		
Saginaw	84	50		698	859		2.06	3.09	3.68	10.62		
Standish	83	48		623	741		1.21	2.99	3.91	9.49		
East Central	84	46	-1	609	794	757	1.82	3.04	3.88	10.34	7.30	3.08
Fennville	87	50		749	772		3.43	4.11	5.98	12.13		
Grand Rapids	86	54		831	911		4.01	4.39	6.29	13.00		
Holland	88	53		852	888		8.66	9.29	11.34	19.84		
South Bend, IN	87	55		919	968		2.72	5.73	7.00	12.15		
Watervliet	87	52		819	867		2.83	3.80	4.95	11.15		
Southwest	88	46	1	830	883	835	3.23	4.15	5.43	12.09	8.76	3.55
Belding	85	49		715	817		1.81	2.63	3.57	10.44		
Coldwater	87	54		871	882		2.52	4.10	5.43	12.70		
Lansing	83	51		758	901		3.31	3.96	6.33	14.84		
South Central	87	47	1	778	872	838	3.06	3.85	5.10	12.59	8.45	3.57
Detroit	84	54		880	986		3.35	4.51	5.72	12.68		
Flint	83	49		753	945		4.51	6.31	7.52	14.31		
Romeo	84	50		739	844		2.50	2.70	4.13	7.04		
Tipton	84	51		824	905		2.36	3.63	4.89	11.77		
Toledo, OH	86	53		923	967		2.77	3.00	4.76	11.22		
Southeast	86	45	1	811	919	804	2.67	3.52	4.59	10.91	8.36	3.36

[1] Issued by the USDA, NASS, Michigan Field Office in cooperation with the U.S. Department of Commerce, Michigan State University's Cooperative Extension Service, Agricultural Meteorologist, Department of Geography, and Crop Advisory Team ALERTS.

[2] Growing degree days (GDD) is the sum of daily mean temperatures minus 50 per day, 86 maximum and 50 minimum. The GDD is accumulative from April 1.

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